

CLAIMS

1. A solid dispersion comprising tacrolimus and solid surfactant having a property of hydrophile lipophile balance (HLB) value higher than or equal to about
5 7.

2. The solid dispersion according to claim 1, wherein the surfactant is at least one selected from the group consisting of sodium lauryl sulfate (HLB=40), poloxamers (HLB ≥ 7), and sucrose fatty acid esters (18 \geq HLB ≥ 7).
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3. The solid dispersion according to claim 1, the tacrolimus and the solid surfactant are mixed by weight in a ratio of about 1: 0.1 to about 1: 100.

4. The solid dispersion according to any one of claim 1 through claim 3, comprising additives, without a function of a carrier, of more than one selected from
15 the group consisting of pharmaceutically acceptable excipients, disintegrators, coloring agents, flavouring agents, sweetening agents and lubricants.

5. A method of processing a solid dispersion comprising;
20 dissolving or dispersing tacrolimus and solid surfactant (HLB ≥ 7) in solvent that is at least one selected from the group consisting of ethanol, isopropyl alcohol, dichloromethane and chloroform to produce a solution ; and,
drying the solution.

25 6. The method of claim 5, further comprising;

adding additives, without a function of a carrier, of at least one selected from the group consisting of pharmaceutically acceptable excipients, disintegrators, coloring agents, flavouring agents, sweetening agents and lubricants to the solution.

5 7. A method of processing a solid dispersion, comprising;

dissolving or dispersing tacrolimus and solid surfactant ($HLB \geq 7$) in solvent that is at least one selected from the group consisting of ethanol, isopropyl alcohol, dichloromethane and chloroform to produce a solution ; and

10 spraying the solution on additives, without a function of the carrier, of at least one selected form the group consisting of pharmaceutically acceptable excipients, disintegrators, coloring agents, flavouring agents, sweetening agents and lubricants for producing a granule.

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